

TO: Suborbital Science Program
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Flight Report

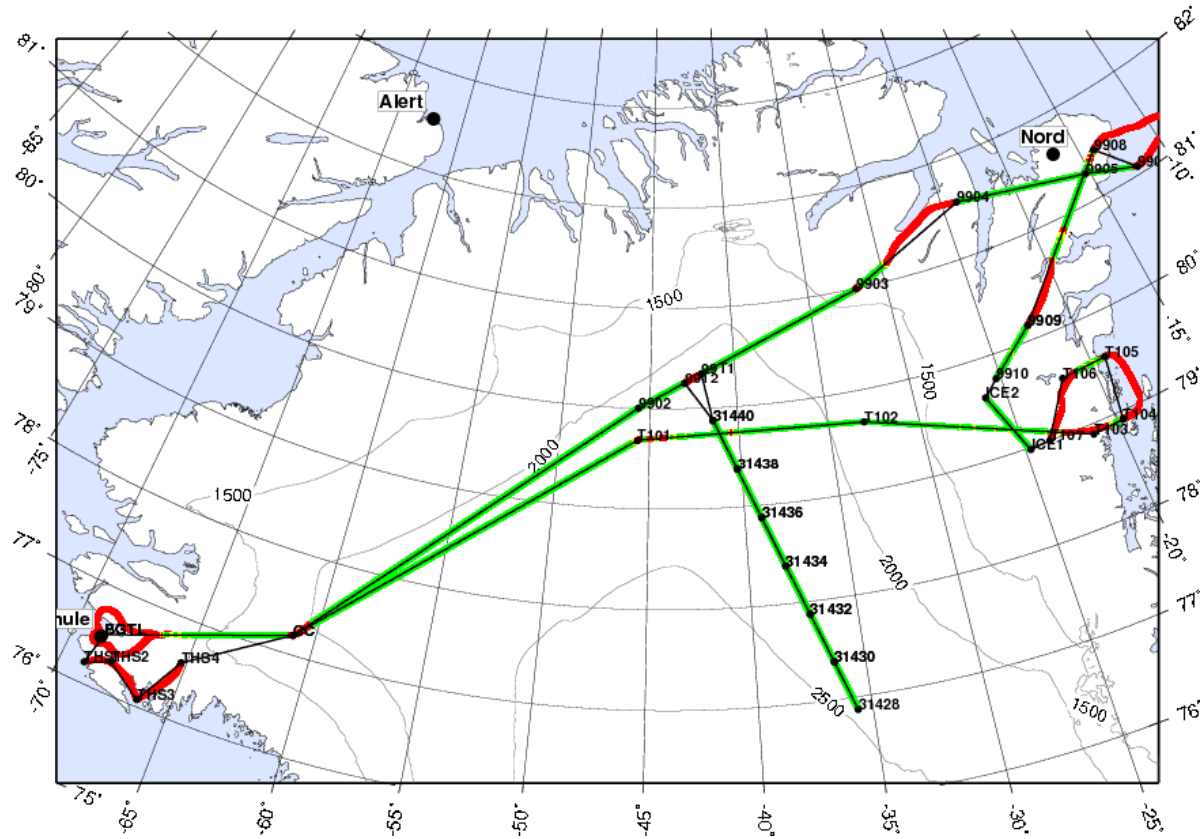
Aircraft :	NASA P-3B
Operating Site(s) From / To :	BGTL / BGTL
Flight Date :	April 20, 2009
Flight Number / Data Flight # :	731 / 10
Time out:	1056 (Z)
Time in:	2011 (Z)
Flight Time :	9.3
Flt Request # / PI:	FR#9P007/013/014
Purpose of Flight :	Data <input checked="" type="checkbox"/> Ferry <input type="checkbox"/> Functional Check <input type="checkbox"/> Other <input type="checkbox"/>
Sensor Payload :	Arctic Ice Gap (Operation Ice Bridge) for Sea Ice ICESat orbit tracks. ATM (2), Snow radar, PARIS, LVIS
Comments :	An Arctic Ice Mapping mission was flown today across the Ice Sheet to the NE corner of Greenland. The ATM lasers, PARIS, and the Snow Radar collected good data for the entire 9-hour flight. We are able to operate longer this week due to a Canadian Forces operation taking place in Thule, and because we have an augmented crew for this week. Our plan for tomorrow is to fly glaciers immediately north of Thule, or a sea ice mission under Envisat, weather permitting. The aircraft and all instruments are in an Up status.

SUBMITTED BY: Cate Fairchild

20 April 2009

Thule 02

9.0 hrs at 250 knots groundspeed



Flight	Date	Aircraft Flight #	Data Flight#	Hours flown	Total Hours Remaining
<i>Total Allocated</i>					<i>184.0</i>
ECF	3/25/2009	713		0.8	183.2
PCF	3/27/2009	716		3.7	179.5
Transit to Thule	3/30/2009	693		7.6	171.9
Science flight	3/31/2009	718	1	8.1	163.8
Science flight	4/1/2009	719	2	7.7	156.1
Science flight	4/2/2009	720	3	8.2	147.9
Science flight	4/5/2009	721	4	8.7	139.2
Science flight	4/6/2009	722	5	7.7	131.5
Ferry to Maine	4/7/2009	723		6.4 (n/c)	131.5
Prop repair FCF 1	4/10/2009	725		0.4 (n/c)	131.5
Prop repair FCF 2	4/11/2009	726		0.4 (n/c)	131.5
Ferry: Maine to Thule	4/13/2009	724		6.2 (n/c)	131.5
Science flight	4/14/2009	727	6	8.0	123.5
Science flight	4/15/2009	728	7	8.0	115.5
Science flight	4/16/2009	729	8	7.5	108.0
Science flight	4/17/2009	730	9	7.7	100.3
Science flight	4/20/2009	731	10	9.3	91.0
<i>Return Transit*</i>	<i>TBD</i>			<i>8.0</i>	<i>83.0</i>
<i>Post-mission calibration*</i>	<i>TBD</i>			<i>2.0</i>	<i>81.0</i>

* Time for return transit and post-mission flight are estimates only